

Richard D Alorro

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Acid mine drainage formation and arsenic mobility under strongly acidic conditions: Importance of soluble phases, iron oxyhydroxides/oxides and nature of oxidation layer on pyrite. <i>Journal of Hazardous Materials</i> , 2020, 399, 122844.	6.5	163
2	Magnetic Adsorbents for the Recovery of Precious Metals from Leach Solutions and Wastewater. <i>Metals</i> , 2017, 7, 529.	1.0	57
3	Repurposing of nickeliferous pyrrhotite from mine tailings as magnetic adsorbent for the recovery of gold from chloride solution. <i>Resources, Conservation and Recycling</i> , 2020, 161, 104971.	5.3	31
4	Separation of Sn, Bi, Cu from Pb-free solder paste by ammonia leaching followed by hydrochloric acid leaching. <i>Hydrometallurgy</i> , 2017, 169, 26-30.	1.8	28
5	On the Use of Magnetite for Gold Recovery From Chloride Solution. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2010, 31, 201-213.	2.6	25
6	Dismantling of Electric and Electronic Components from Waste Printed Circuit Boards by Hydrochloric Acid Leaching with Stannic Ions. <i>Materials Transactions</i> , 2017, 58, 1076-1080.	0.4	24
7	Separation of Tin, Silver and Copper from Waste Pb-free Solder Using Hydrochloric Acid Leaching with Hydrogen Peroxide. <i>Materials Transactions</i> , 2014, 55, 1885-1889.	0.4	22
8	Leaching of Copper from Cuprous Oxide in Aerated Sulfuric Acid. <i>Materials Transactions</i> , 2017, 58, 1500-1504.	0.4	22
9	Evaluation of Maghemite-Rich Iron Oxide Composite Prepared from Magnetite as Adsorbent for Gold from Chloride Solution. <i>Jom</i> , 2019, 71, 4639-4646.	0.9	21
10	Cementation of Co ion in leach solution using Zn powder followed by magnetic separation of cementation-precipitate for recovery of unreacted Zn powder. <i>Minerals Engineering</i> , 2020, 145, 106061.	1.8	21
11	Repurposing of aluminum scrap into magnetic Al ₀ ZVI bimetallic materials: Two-stage mechanical-chemical synthesis and characterization of products. <i>Journal of Cleaner Production</i> , 2021, 317, 128285.	4.6	20
12	A review on current practices and emerging technologies for sustainable management, sequestration and stabilization of mercury from gold processing streams. <i>Journal of Environmental Management</i> , 2019, 249, 109367.	3.8	18
13	A Study on the Utilization of Magnetite for the Recovery of Platinum Group Metals from Chloride Solution. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2016, 37, 246-254.	2.6	16
14	Performance Evaluation of Fe-Al Bimetallic Particles for the Removal of Potentially Toxic Elements from Combined Acid Mine Drainage-Effluents from Refractory Gold Ore Processing. <i>Minerals (Basel)</i> , 2021, 11, 1076.	0.0	10
15	Technospheric Mining of Mine Wastes: A Review of Applications and Challenges. <i>Sustainable Chemistry</i> , 2021, 2, 686-706.	2.2	15
16	Equilibrium modeling in adsorption of Re and Mo ions from single and binary aqueous solutions on Dowex 21K resin. <i>Geosystem Engineering</i> , 2018, 21, 73-80.	0.7	11
17	Electrochemical Investigation of Gold Uptake From Chloride Solution by Magnetite. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2015, 36, 332-339.	2.6	10
18	Hydrochloric Acid Leaching of Philippine Coal Fly Ash: Investigation and Optimisation of Leaching Parameters by Response Surface Methodology (RSM). <i>Sustainable Chemistry</i> , 2022, 3, 76-90.	2.2	10

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19	Mechanism and equilibrium modeling of Re and Mo adsorption on a gel type strong base anion resin. Russian Journal of Applied Chemistry, 2017, 90, 1504-1513.	0.1	8
20	Acid Mine Drainage Treatment Using a Process Train with Laterite Mine Waste, Concrete Waste, and Limestone as Treatment Media. Water (Switzerland), 2022, 14, 1070.	1.2	8
21	Determination of the Carbon Dioxide Sequestration Potential of a Nickel Mine Mixed Dump through Leaching Tests. Energies, 2019, 12, 2877.	1.6	7
22	Evaluation of Efficiencies of Locally Available Neutralizing Agents for Passive Treatment of Acid Mine Drainage. Minerals (Basel, Switzerland), 2020, 10, 845.	0.8	6
23	Hydrochloric acid leaching behavior of metals from non-magnetic fraction of Pb dross. Geosystem Engineering, 2019, 22, 347-354.	0.7	4
24	Hydrochloric Acid Leaching Behaviors of Copper and Antimony in Speiss Obtained from Top Submerged Lance Furnace. Metals, 2020, 10, 1393.	1.0	4
25	Comparing the performance of low-grade nickel ore and limestone for treatment of synthetic acid mine drainage. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2457.	0.8	4
26	Technospheric mining of scandium from hydrometallurgical tailings of nickel laterite processing: Selection of lixiviant and optimisation of leaching variables. Minerals Engineering, 2022, 179, 107436.	1.8	4
27	Evaluation of the leaching characteristics of low-grade nickel laterite waste rock for indirect carbon sequestration application. Geosystem Engineering, 2020, 23, 205-215.	0.7	2
28	Leaching characteristics of an iron-rich siltation pond waste and its viability in indirect carbon sequestration. International Journal of Mining, Reclamation and Environment, 2021, 35, 435-450.	1.2	2
29	Regeneration of Sn ⁴⁺ from Sn ²⁺ solution during electrowinning process using anion exchange membrane. Geosystem Engineering, 2019, 22, 1-7.	0.7	1
30	Investigation on effects of ion exchangers structure and functional groups on the Re(VII) ions adsorption behavior from aqueous solution. Geosystem Engineering, 2019, 22, 119-128.	0.7	1
31	The Use of Methyl Ethyl Ketone in Nitric Acid Leaching Processes for Enhancement of Ag Recovery from Used X-ray Films. Materials Transactions, 2018, 59, 850-854.	0.4	0
32	Leaching of Copper from Cementation Precipitate in Sulfuric Acid Solution with Cupric Ion and Oxygen. Materials Transactions, 2022, 63, 607-611.	0.4	0